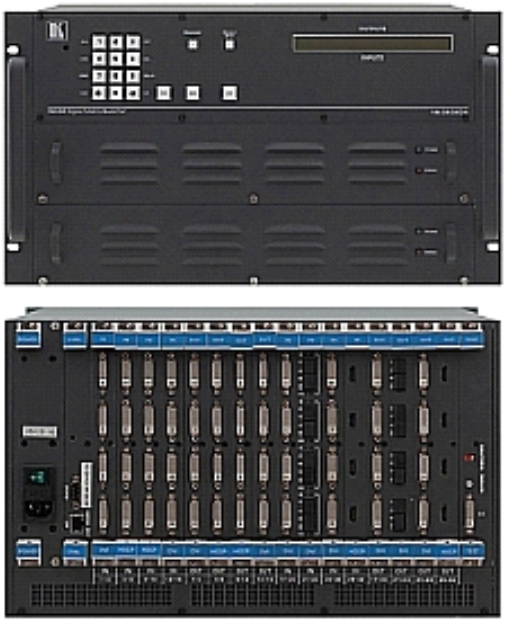
VS-3232DN

4x4 to 32x32 Modular Multi−Format Digital Matrix Switcher



The VS−3232DN is a high−performance matrix switcher chassis for DVI & HDMI signals. The unit is modular and populated from 4x4 to 32x32 in increments of four inputs and/or four outputs. The chassis includes one power supply but can also accept a second redundant power supply (sold separately), a control module and a test module that monitors and tests any input and output in the matrix.

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FEATURES

- Kramer Core™ - FLEXIBLE INFRASTRUCTURE CONVERSION! Copper, Fiber or Twisted Pair − all can be used at the same time, according to input/output module selection. The matrix receives digital signals from compatible Kramer transmitters, automatically converts between available infrastructure options and sends the signals to compatible Kramer receivers. Kramer Core™ solution is the ultimate in versatility!
- Max. Data Rate - 9.6Gbps (3.2Gbps per graphic channel) depending on the cards used.
- HDTV Compatible.
- HDCP Compliant - With DVI (HDCP), HDMI & DGKat (Twisted Pair) modules.
- HDMI Support - HDMI Compressed Audio Channels.
- DGKat™ Signal Integration - Kramer's unique technology for converting TMDS as well as control and communication to signals that run over twisted pair cables. We strongly recommend using Kramer DGKat™ cables designed specifically for optimum performance.
- Kramer Equalization & re-Klocking™ Technology - Rebuilds the digital signal to travel longer distances.
- Modular & Easily Configurable Platform - Input or output module types can be mixed and added in increments of 4 from 4x4 up to 32x32.
- Available Modules - DVI, DVI (HDCP), DVI (Dual Link), HDMI, LC Optical & DGKat Twisted Pair output cards. DGKat Twisted Pair Input cards will be available in Q1/2013.
- I-EDIDPro™ Kramer Intelligent EDID Processing™ - Intelligent EDID handling & processing algorithm ensures Plug and Play operation for DVI and HDMI systems.
- Flexible Control Options - Front panel, IR remote (included), RS−232 (K−Router™ Windows®−based software is included), Ethernet.
- Front Panel Lockout.
- Take Button - Executes multiple switches all at once.
- Memory Locations - Stores multiple switches as presets to be recalled and executed as needed.
- Test Pattern Module - With 4 output resolutions for troubleshooting video problems.
- Optional Redundant Power Supply - PS−1DN, hot−swappable.
- Worldwide Power Supply - 100−240V AC.
- Standard 19" Rack Mount Size - 6U. Rack "ears" included.

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TECHNICAL SPECIFICATIONS

INPUTS:	4 to 32 (in increments of 4) of the following inputs: DVI or HDCP, 1.2Vpp on DVI Molex 24−pin (F) connectors; DDC signal 5Vpp (TTL); HDMI; fiber optic on LC connectors; DGKat on RJ−45 connectors; 2 to 16 (in increments of 2) DVI dual link, 1.2Vpp on DVI Molex 24−pin (F) connectors.
OUTPUTS:	4 to 32 (in increments of 4) of the following outputs: DVI or HDCP, 1.2Vpp on DVI Molex 24−pin (F) connectors; DDC signal 5Vpp (TTL); HDMI; fiber optic on LC connectors; DGKat on RJ−45 connectors; 2 to 16 (in increments of 2) DVI dual link, 1.2Vpp on DVI Molex 24−pin (F) connectors.
MAX. DATA RATE:	9.6Gbps (3.2Gbps per graphic channel) depending on the cards used.
COMPLIANCE WITH STANDARDS:	Supports DVI 1.0.
MAX RESOLUTION:	Up to UXGA; 1080p, 1920x1200.
CONTROLS:	Front panel buttons, infrared remote control transmitter, RS−232, Ethernet.
SWITCHING:	Confirm or At Once for immediate switching.
POWER CONSUMPTION:	100−240V AC, 50/60Hz, 320VA with optional Hot−Swappable redundant power supply
DIMENSIONS:	19" x 15" x 6U (W, D, H) rack−mountable.
WEIGHT:	11.5kg (25.4lbs) approx.
ACCESSORIES:	Power cord, null−modem adapter, infrared remote control transmitter.
OPTIONS:	PS−1DN redundant power supply.

CONFIGURATIONS

Model	Description
Input Modules	
DVI-IN4-F32	4-Input DVI Card (F-32)
HDCP-IN4-F32	4-Input DVI (HDCP) Card (F-32)
DL-IN2-F32	2-Input DVI Dual Link Card (F-32)
F610-IN4-F32	4-Input DVI over 4LC Fiber Card (F-32)
H-IN4-F32	4-Input HDMI Card (F-32)
DGKat-IN4-F32	4-Input HDMI & RS-232 over DGKat Card (F-32)
F670-IN4-F32	4-Input HDMI over OM3 Card (F-32)
Output Modules	
DVI-OUT4-F32	4-Output DVI Card (F-32)
HDCP-OUT4-F32	4-Output DVI (HDCP) Card (F-32)
DL-OUT2-F32	2-Output DVI Dual Link Card (F-32)
F610-OUT4-F32	4-Output DVI over 4LC Fiber Card (F-32)
H-OUT4-F32	4-Output HDMI Card (F-32)
DGKat-OUT4-F32	4-Output HDMI & RS-232 Input over DGKat Card (F-32)
F670-OUT4-F32	4-Output HDMI over OM3 Fiber Card (F-32)
Module Plate	
BLP-F32	Blank Cover Plate for Empty Module Slots

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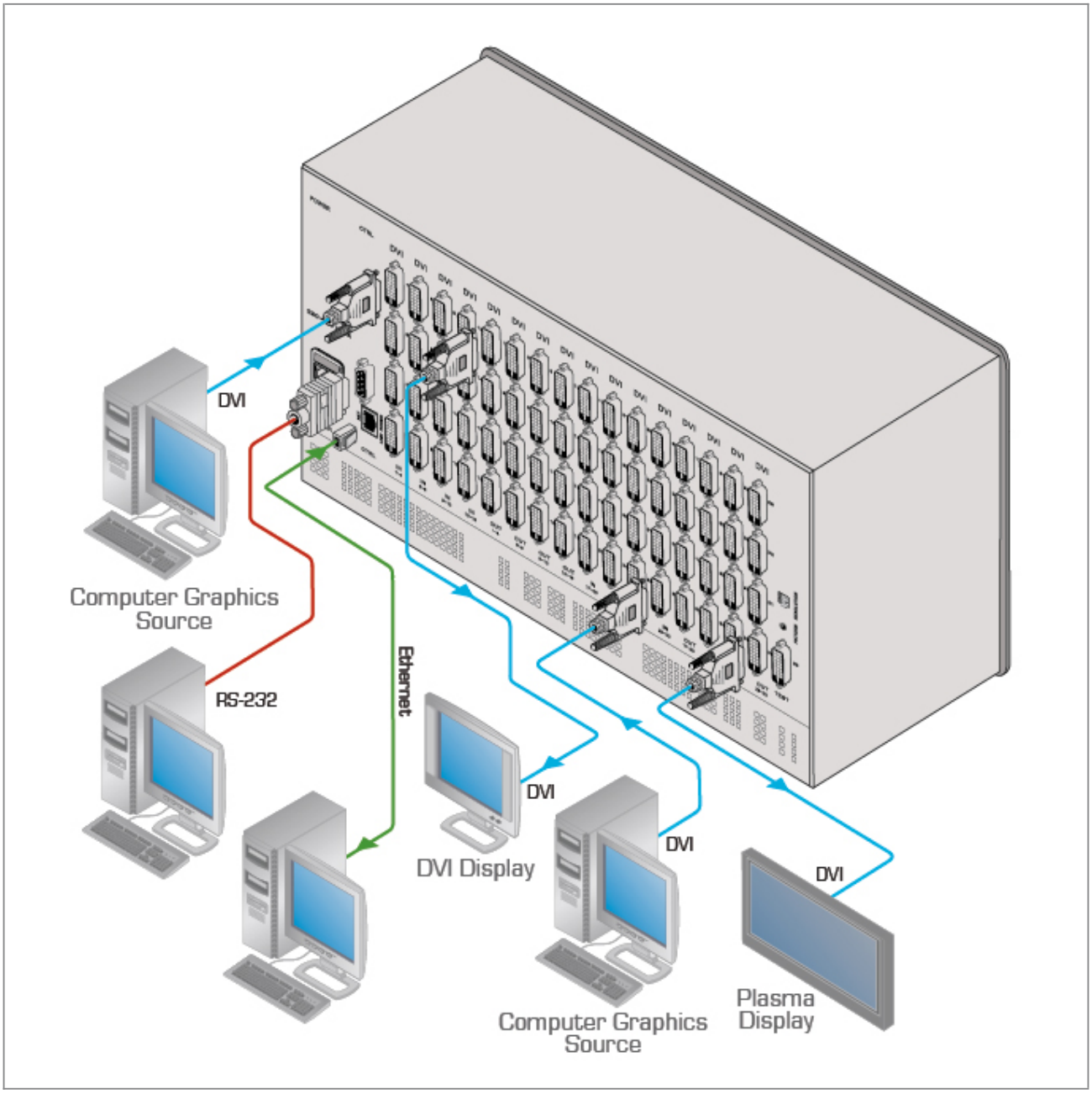
DVI
Computer Graphics Source
RS-232
Ethernet
DVI
DVI Display
DVI
DVI
Plasma Display
Computer Graphics Source